

***Lewisia maguirei*** A. Holmgren (1954)**MAGUIRE BITTERROOT**

**FAMILY:** *Portulacaceae*, the purslane family.

**STATUS:** **Heritage Program SENSITIVE LIST, ranks: G1 S1**

**USFWS/ESA:** species of concern. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list. **CITES:** Appendix II.

**POPULATION CENSUS:** **3 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **8 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 4731+**, total estimated **area 19.4+ ha (47.9+ ac)**. **TREND:** unknown.

**IMPACTS AND MAJOR THREATS:** No summary available (see references).

**INVENTORY EFFORT:** Partial surveys have been conducted, but much more potential habitat remains unexamined. Most recent entered survey 1993, average year of last survey 1990. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 87.5%; **31-50 yrs:** 12.5%.

**LAND MANAGEMENT** in decreasing predominance: designated wilderness, Humboldt-Toiyabe National Forest.

**RANGE:** Nye County, Nevada. Endemic to the Quinn Canyon and Grant ranges. Maximum **range dimension 2.8 km (1.7 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.

**ELEVATIONS RECORDED:** 7360-8280 feet (2243-2524 meters).

**HABITAT:** Dry, sparsely vegetated carbonate scree or shallow gravelly-clay soils on steep slopes and ridgelines of all aspects in the pinyon-juniper zone with *Frasera albomarginata*, *Astragalus calycosus*, *Hymenoxys acaulis*, *Allium nevadense*, *Petradoria pumila*, etc.

**PHENOLOGY:** flowering late-spring. Range of most frequent **survey months:** May-June.

**LIFE-FORM AND HABIT:** small fleshy long-lived perennial herb.

**DESCRIPTION:** A small perennial herb that forms rosettes of fleshy leaves, about 3 cm tall. 2-3 flowers bloom close to the leaves in June and early July. Flowers are whitish, but both flowers and leaves are tinged with pink.

**PHOTOGRAPHS:** Anderson et al. (1991); Nevada Natural Heritage Program files.

**ILLUSTRATIONS:** Anderson et al. (1991), Mozingo and Williams (1980).

**SPECIFIC REFERENCES:**

Holmgren, A. H. 1954. A new *Lewisia* from Nevada. *Leaflets of Western Botany* 7: 135-137.

Williams, M. J. 1981. Status report on *Lewisia maguirei*. Portland, Oregon: U. S. Fish and Wildlife Service.

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